

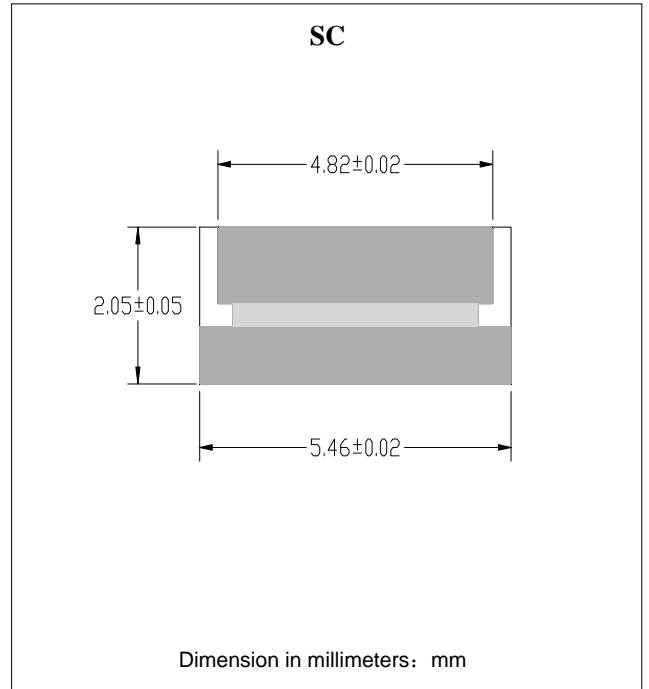


**特性: FEATURES**

- ◆大电流承受能力.High current capability
- ◆低成本.Low cost
- ◆正向压降低.Low forward voltage drop
- ◆低漏电. Low leakage current
- ◆高浪涌承受能力.High surge current capability

**机械性能: MECHANICAL DATA**

- ◆小铜粒:  $\Phi 0.190(4.82) \times 0.0394(1.0)$ 厚度  
Small copper:  $\Phi 0.190 (4.82) \times 0.0394(1.0)$ Thick
- ◆大铜粒:  $\Phi 0.215(5.46) \times 0.0295(0.75)$ 厚度  
Large copper:  $\Phi 0.215(5.46) \times 0.0295(0.75)$ Thick
- ◆外观信息:  $\Phi 0.215(5.5 \times 0.0866(2.1 \pm 0.1))$ 厚度  
Outline information:  $\Phi 0.215(5.5) \times 0.0866(2.1 \pm 0.1)$ Thick
- ◆极 性: 大铜粒端为阴极。  
Polarity: Large copper cathode



极限值和电参数

TA= 25℃除非另有规定. 单相,正半弦波,60HZ,阻抗或电感负载.为电容装载,减少电流的 20%

**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

Rating at 25℃ Ambient temp. Unless otherwise specified.Single phase, half sine wave, 60HZ,resistive or inductive load.

型 号 TYPE	符 号	SCB25L	SCB25M	SCB25H	单 位
最大峰值反向电压 Maximum Current Peak Reverse Voltage	$V_{RRM}$	16	20	28	V
最大反向有效值电压 Working Peak Reverse Voltage	$V_{RMS}$	16	20	28	V
最大直流截止电压 Maximum DC Blocking Voltage	$V_{DC}$	16	20	28	V
击穿电压最小值 Breakdown voltage Min@ $I_{BR}=100mA/TA=25^{\circ}C$	$V_{BRL}$	20	24	36	V
击穿电压最大值 Breakdown voltage Max@ $I_{BR}=100mA/TA=25^{\circ}C$	$V_{BRL}$	26	32	42	V
最大正向平均整流电流 $T_a=125^{\circ}C$ , Maximum Average Forward Rectified Current	$I_{F(AV)}$		25		A
峰值正向浪涌电流 Peak Forward Surge Current 8.3ms Single Sine-wave on Rated Load (JEDEC Method)	$I_{FSM}$		300		A
最大瞬间正向压降@100A Maximum Instantaneous Forward Voltage Drop at 100A DC	$V_F$		1.10		V
最大反向直流电流 $t=200ms$ Maximum DC Reverse Current $T_a = 25^{\circ}C$ at Rated DC Blocking Voltage $T_a = 150^{\circ}C$	$I_R$		1.0 100		$\mu A$
工作及储存温度范围 Operating AND Storage Temperature Range	$T_J, T_{STG}$		-55~+150		$^{\circ}C$

注 释 : NOTE 在 1MHz 下测量, 施加 4.0V d.c 的反向电压. Measured at 1 MHz and Applied Reverse Voltage of 4.0 Volts D.C.



FIG. 1 –最大正向平均电流降额  
FIG. 1 –MAXIMUM AVERAGE FORWARD CURRENT DERATING

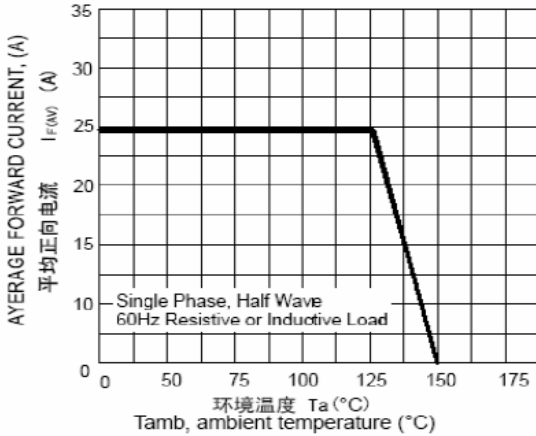


FIG. 3 –脉冲波形  
FIG. 3 – PULSE WAVEFORM

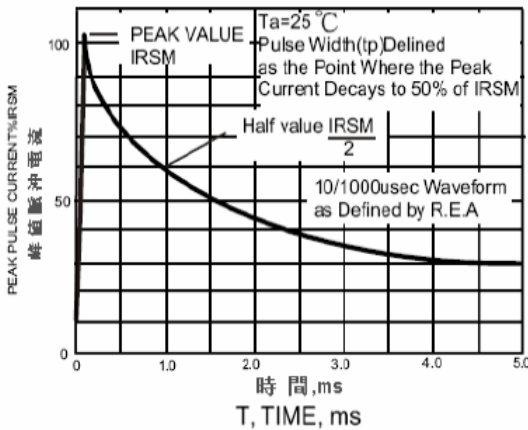


FIG.5–脉冲额定曲线  
FIG.5–PULSE RATING CURVEE

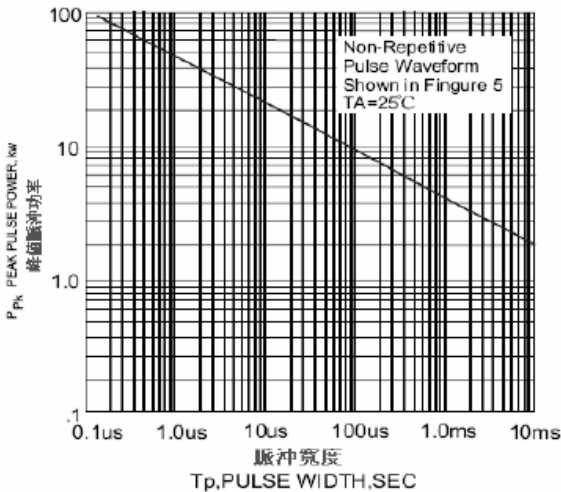


FIG. 2 –最大非重复正向浪涌电流  
FIG. 2 –MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

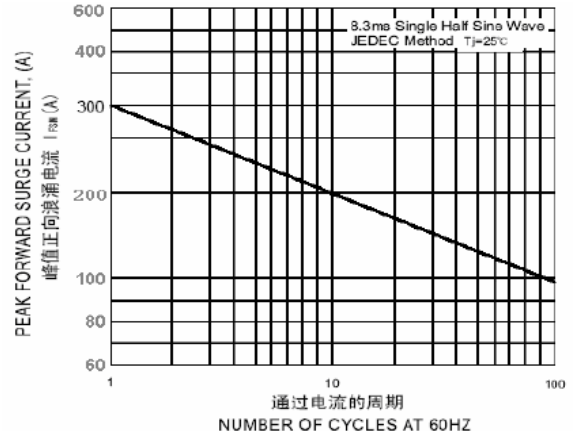


FIG. 4–正向特性曲线(典型)  
FIG. 4 – TYPICA FORWARD CHARACTERISTICS

